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Attachment 1 to Offer no. 50207688
Anfrage Nr. 30391

Technical data (Customer data)

Application	Horizontal retrieve, reel on moving equipment, with cable guide
Cable type	(N)TSCGEWOEU - 6/10 kV 3G70+35/2+12FO - s
Outside diameter	52 mm
Weight	4,38 kg/m
Cable rated voltage U0/U	6/10kV
Cable nominal voltage	
Special	
Active travel	450 m
Track length	900 m
Feed point	center
Mounting height	8 m between drum center and ground
Speed	40 m/min
Acceleration/decelertaion	0,13 m/sec²
Acceleration time	5,13 sec
Motor voltage ± 5%	400V 50Hz
Ambient temperature	-5°C ... 50°C
Drum body type	monospiral winding
Direction of unwinding	left
Cam limit switch	yes

Please note that any deviation from the above parameters may cause the reel not to perform properly or may lead to damage. If the actual values vary from the above, please inform us. We will be pleased to revise our quote.

Technical data (Conductix-Wampfler calculations)

Drum	ES2565-9
Inside diameter	2500 mm
Outside diameter	6500 mm
Width	56,5 mm

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Total number of windings	35 (incl. 3 turns for tension relief)
Gearbox	K201.3/160/10
Delivered with oil	16 Ltr. (Mobilgear 627)
Slip ring assembly	322/10kV+WA-12OF
Number of rings	3x315A+PE
Max. current load at 100% Duty	315 (continuous rotating slip ring)
Please contact us, if you have long time standstills of the slip ring in operation.	
Voltage rating	10kV
Protection grade	IP 55
Space heater	230VAC, 150W with adjustable thermostat
Optic fiber transmission unit	With terminal box for ST-connectors on both ends
LWL-Type	WA-12OF 62,5/125µ - (40 turns)
Special	
Reel drive	50Hz - Three-phase motor with magnetic coupling
Magnetic clutch type	HMK25
Motor type	KN112M4
Voltage ± 5%	400V, 50Hz
Protection grade	IP 55
Power output	4,00 kW
Nominal current	8,80 A
Cam limit switch	Type E4 with 2 cams for bridgeing of the center feed point , 1 cam to limit the travel length and and 1 cam for reserve
Place for mounted limit switch	between drum and gearbox
Surface finish	
Drum body	hot dip galvanized
Gearbox	grey cast steel housing GG25 coated RAL 7016
Slip ring housing	cover made of stainless steel (1.4301)
Optic fiber	cover made of stainless steel (1.4301)
Magnetic clutch	Made of seawater resistant aluminum, cover made of stainless steel (1.4301)
Motor	1 base coating, 1 cover coating 70µm RAL 7031 blue grey

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Dimensional drawing no.:	MZ71-M070-0209
Wiring diagram no.:	71-S210-0010 (-0052)
Total weight without cable	2650 kg

Cable guide	UV1003P with overtension and slack sensors
Dimensional drawing no.:	MZ71-U006-0024-E
Radius of cable guide	1 m
Mounting height	1,5m
Weight	160 kg
Surface finish	side parts hot dipgalvanized, rollers RAL 7016 and RAL 3000

Note:
Up to an outside diameter of 2.5 m the reels will be shipped as completely mounted. Over 2.5 m outside diameter the drum will be preassembled in several (2-10) segments. They have to be assembled and mounted to the gearbox according to our assembly instructions.